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FLEXIBLE UPSTREAM PHY BURST PROFILE PARAMETERS TO IMPROVE
PERFORMANCE OF SHORT BURSTS IN IMPULSE NOISE

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ABSTRACT OF THE DISCLOSURE

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A single carrier cable modem can be initialized on multiple channels. By initializing a cable modem on more than one channel, the error rate performance of short data packets in cable modems in an impulsive noise environment is improved. The advantage of low symbol rate transmission for short packets in an impulse noise environment is achieved without sacrificing burst capacity at a cable modem and without the complexity of transmitting multiple symbol waveforms simultaneously at a cable modem.

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HLE/HLE

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